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How to install the Powerband RFX75
on a RCI manufactured radio with a EPT6900 series PCB.

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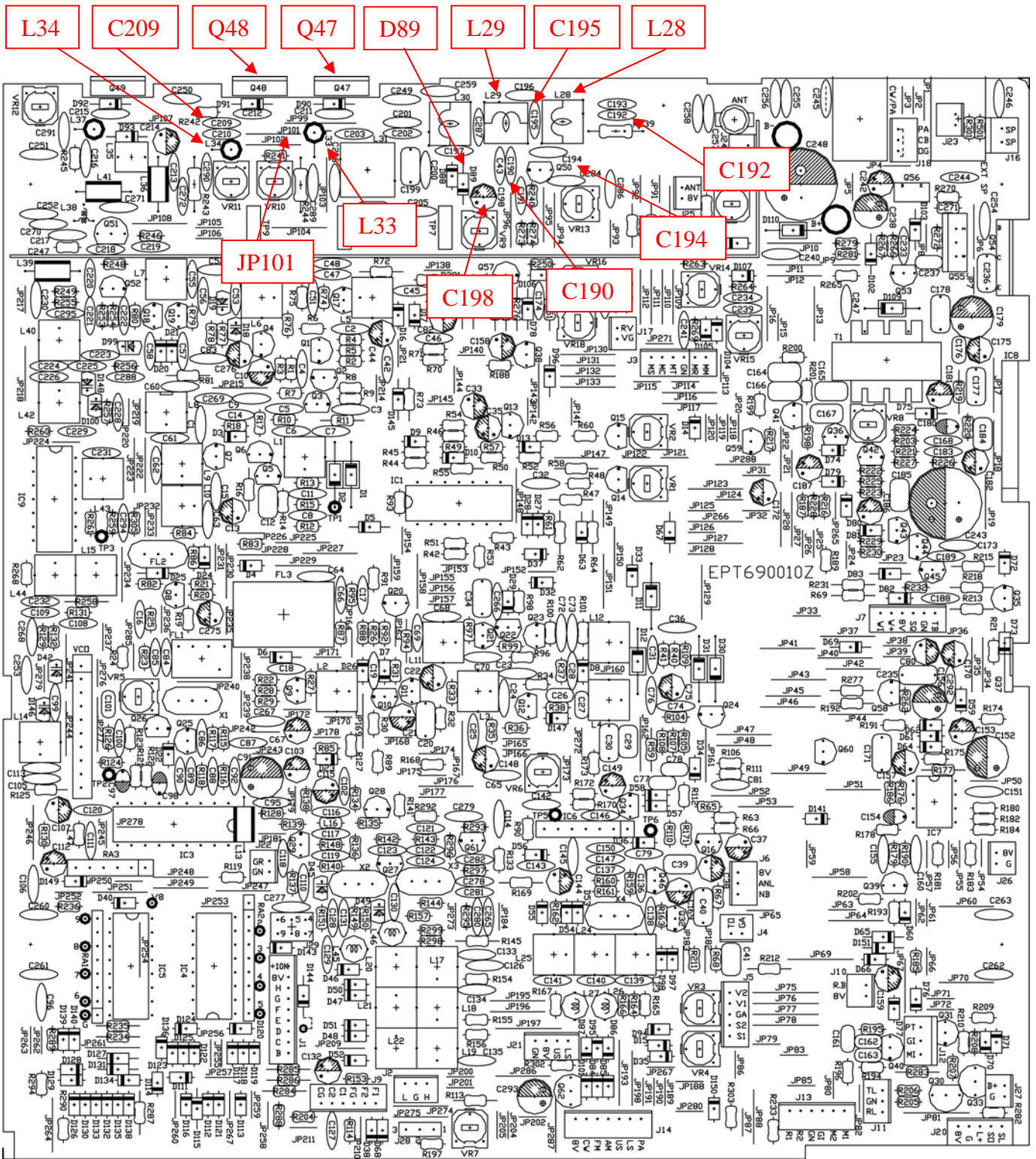
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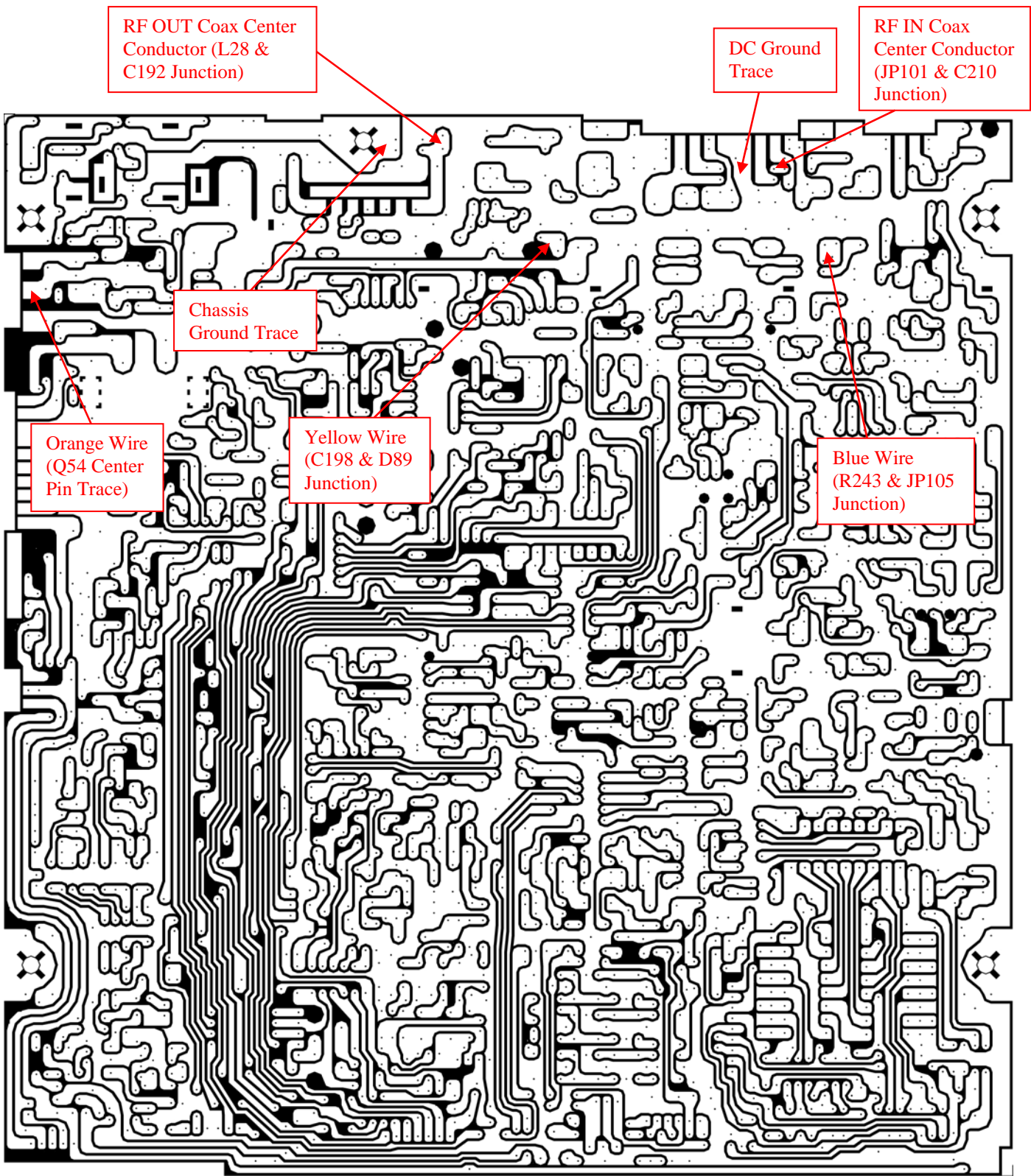
Revision 2 – Improved RX Sensitivity and SSB ALC Stays Functional

1. Remove C192, C194, C195, C198, C209, JP101, L28, L29, L33, L34, Q47, Q48, and D89 from the radio.
2. Add a jumper wire across the 2 holes where L28 was removed.
3. Cut the RX OUT coax cable off the RFX75 board. Take care to cut it close enough to the PCB so that it does not short out on anything.
4. Drill and mount the RFX75 on the back of the radio using the supplied hardware.
5. Solder the Red and Black wires to the back of the DC power jack (observe polarity!).
6. Route the remaining coax cables and wires from the RFX75 through the slot in the PCB where Q47 and Q48 were removed. So that these wires can be connected to the solder side of the PCB.
7. Solder the RF IN coax center conductor to the trace at the junction of JP101 and C210. Solder the coax shield to a nearby DC ground trace.
8. Solder the RF OUT coax center conductor to the trace at the junction of L28 and C192. Solder the coax shield to chassis ground (trace at the junction of C192 and C193).
9. Solder the yellow wire to the positive side trace of C198 (trace at junction of C198 and D89).
10. Solder the blue wire to the trace at the junction of R243 and JP105.
11. Solder the orange wire to the center pin of Q54.
12. **SSB Models ONLY:** On SSB models only, unsolder the leg of C190 that is closest to the rear panel of the radio. Add a 3.3K ohm, ¼ watt resistor in series with the unsolder leg.
13. Re-tune the transmit and receive. **DO NOT SET THE CARRIER HIGHER THAN 15 WATTS!**

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